Joint Meeting with ASHE

Topic: I-295 Pavement Reconstruction

Presenters: Robert Sauber & Thomas Bennett

The I-295 pavement design consists of 8" thick HMA including a 3" bottom rich base course designed for 100 micro-strains at 100,000,000 ESAL's. This design results in the savings of 167,000 tons of HMA and eliminating 3 miles of full depth removal and replacement, in addition to less side slope fill and other geometric impacts.

The new pavement is considered to be a perpetual pavement and will only require periodic replacement of the surface course since the bottom rich base resists bottom up cracking.

Speakers:

Robert Sauber of NJAPA and Thomas Bennett, PhD. CAIT

Bob Sauber is the Executive Director of the NJ Asphalt Paving Assoc. He recently retired from NJDOT as Supervising Eng. in the Bureau of Materials managing Quality Assurance and Research Sections. During Bob’s 33 years of state service, he was cited for his efforts in overhauling of the NJDOT Pavement Management System, was the Department's Subject Matter Expert for both Pavement Design and Management, and was a member of the Lead States Group for M-E Pavement Design Implementation. He is a member of the TRB Pavement Maintenance Committee and SHRP II Technical Expert Task Group.

Thomas Bennett is a Senior Research Scientist/Pavement Materials Engineer for CAT at Rutgers University. Tom is program manager for the Pavement Resource Program, a resource-based program developed to assist the NJDOT on pavement-related issues. His research interests include mechanistic pavement design, warm mix asphalt, RAP reflective cracking on composite pavements, and functional characteristics of pavements.

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